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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/627,197	07/25/2003	James W. Fronsdahl	6213/AGS/SPARES/HMM	2705	
41161 DUGAN & DU	7590 07/30/200 JGAN. PC	7 ·	EXAMINER		
55 SOUTH BROADWAY TARRYTOWN, NY 10591			RIGGLEMAN, JASON PAUL		
			ART UNIT	PAPER NUMBER	
			1746		
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			07/30/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Applica	tion No.	Applicant(s)	Applicant(s)		
	10/627,	197	FRONSDAHL E	FRONSDAHL ET AL.			
Office Action Summary		Examin	er	Art Unit			
		Sarah E	. Husband	1746			
The MAILIN Period for Reply	IG DATE of this communi	cation appears on t	he cover sheet	with the correspondence a	address		
WHICHEVER IS L - Extensions of time may after SIX (6) MONTHS - If NO period for reply is - Failure to reply within t Any reply received by t	ONGER, FROM THE MA be available under the provisions of from the mailing date of this commi	AILING DATE OF of 37 CFR 1.136(a). In no unication. tutory period will apply and will, by statute, cause the a	FHIS COMMUN event, however, may will expire SIX (6) Mo pplication to become	a reply be timely filed ONTHS from the mailing date of this ABANDONED (35 U.S.C. § 133).			
Status							
2a)⊠ This action i 3)□ Since this a		b)⊡ This action is for allowance exce∣	non-final. ot for formal ma	atters, prosecution as to tl .D. 11, 453 O.G. 213.	ne merits is		
Disposition of Claim	S						
4a) Of the al 5) ☐ Claim(s) 6) ☑ Claim(s) <u>1-2</u> 7) ☐ Claim(s) 8) ☐ Claim(s) Application Papers 9) ☐ The specifica		e withdrawn from on the control of t	requirement.	o by the Examiner.			
Replacement	drawing sheet(s) including	the correction is requ	ired if the drawir	ance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 (ed Office Action or form F			
Priority under 35 U.S	.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
	n's Patent Drawing Review (P1 e Statement(s) (PTO/SB/08)	ГО-948)	Paper No	v Summary (PTO-413) o(s)/Mail Date f Informal Patent Application			

DETAILED ACTION

Response to Arguments

Applicant's arguments filed 6/18/2007 have been fully considered but they are not persuasive. Applicant argues that there is no motivation to combine White and Inoue. However, this argument is not persuasive because White discloses a shield, which is "preferably" hydrophilic. Inoue has a teaching of making a surface hydrophilic by sandblasting. It would be certainly be within the level of ordinary skill in the art to choose a known way of making a surface hydrophilic and apply it to the shield, which is preferred to be hydrophilic. Although Inoue is drawn to an image-forming material, it is clear from the description in Inoue that one option of making a surface hydrophilic is accomplished by sandblasting (col. 10, ll. 20-30). Therefore, one of ordinary skill in the art would easily be able to apply the teaching that it is known to make a surface hydrophilic by sandblasting (Inoue) and modify White.

In regard to Applicant's arguments that Jaffe does not describe the use of the polycarbonate shield in the specific spin rinse dryer system, this argument is also not persuasive. Jaffe describes the shield is useful in semiconductor processing equipment. SRD systems are commonly known in the processing of wafers and therefore the teachings of Jaffe would also apply to the SRD systems. Further, Jaffe describes various benefits of using polycarbonate as a shield material such as it being non-contaminating (col. 3, ll. 44-45), which would be very useful in the SRD system as well. One of ordinary skill would readily foresee using the teaching of a polycarbonate material useful in semiconductor equipment

and applying it to SRD systems as well as other semiconductor equipment specifically mentioned by Jaffe.

Therefore, the rejection stands as follows.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-8, 11 and 13-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over White (JP 2001007068) in view of Inoue (US Patent No. 4,052,211).

White discloses an SRD having a substrate support, fluid source, and shield. White also discloses the shield is hydrophilic and the support holds and rotates the substrate vertically. White further discloses the multiple shields positioned above the substrate, the shield is movable and is downwardly sloped (see figures and also entire document; translation available in US 6,516,816). White does not specifically disclose the shield has a particle-blasted finish to increase the hydrophilic properties. Inoue discloses that a surface is rendered hydrophilic by using a graining procedure such as sand blasting (col. 10, ll. 18-23). Therefore, at the time of the invention, it would be obvious to one of ordinary skill in the art to modify sand blast the hydrophilic surface of White as shown by Inoue for the benefit of increasing the hydrophilic properties of the surface.

Claims 9, 10 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over White and Inoue as applied to claims 1-8, 11 and 13-20 above, and further in view of Jaffe (US Patent No. 5,476,520).

White and Inoue disclose the apparatus shown above in the 103(a) rejection. They do not specifically disclose the shield is made of polycarbonate. Jaffe discloses a shield can made of polycarbonate (col. 3, ll. 32-48). At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify White and Inoue with a polycarbonate shield as shown by Jaffe because polycarbonate is an alternative shield making material which is known in the art (col. 3, ll. 32-48).

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-8, 11 and 13-20 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1, 5-8, 11-15, 17, 24-26, 32, 33, 38-41 and 47 of U.S. Patent No. 6516816 in view of Inoue. '816 discloses a support, source of fluid and shield as the current application but does not disclose the particle blasting. Inoue discloses particle blasting of a shield to provide hydrophilic properties to a surface. At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify '816 with Inoue for the benefit of increasing the hydrophilic properties.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sarah E. Husband whose telephone number is (571) 272-8387. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael E. Barr can be reached on (571) 272-1414. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SEH

MICHAEL BARR SUPERVISORY PATENT EXAMINER